

Idaho Supreme Potatoes
P.O. Box 246
Firth, ID 83236-0246

June 1, 2005

Mike Simon
Idaho Department of Environmental Quality
1410 N. Hilton
Boise, Idaho 83706

RE: Revised Applicable Requirements

Dear Mr. Simon:

Please find enclosed the applicable requirements for the Title V Operating Permit. The requirements have been taken from the current Tier II Operating Permit dated June 7, 2002 and the December 16, 2004 Consent Order.

If you have any questions, please do not hesitate to call me at 208.346.6826 or Daniel Heiser of JBR Environmental Consultants, Inc. at 208.853.0883.

I certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate, and complete.

Sincerely,

Wade Chapman
General Manager

Enclosures

Applicable and Inapplicable Consent Order Requirements

Table 1 cites the applicable and inapplicable requirements from the Consent Order dated December 16, 2004 for fuel combustion activities at Idaho Supreme:

Table 1

Applicable and Inapplicable Consent Order Requirements

Consent Order Condition Rule	Description	Compliance Determination Method (Record Keeping, Monitoring, Reporting, Test Method)	Applicable Yes or No	In Compliance Yes or No	Explanation Code and/or Additional Information
4	Idaho Supreme may combust fuel oil with sulfur content greater than 0.5% by weight in the No. 4 Bigelow boiler provided Idaho Supreme Potatoes complies with all terms of the Consent Order.	N/A	Yes	Yes	Idaho Supreme is currently burning fuel with sulfur > 0.5%
4 40 CFR 60	Standards of Performance for New Stationary Sources	N/A	No	N/A	On 11/26/04 EPA determined that NSPS Subpart Db and Dc requirements do not apply to Boiler No. 3 and No. 4
5	Stack height for No. 4 Bigelow boiler shall be 60 ft.	N/A	Yes	Yes	Idaho Supreme has increased the stack to a height of 60 ft
6	No. 3 Cleaver Brooks boiler shall only be operated on natural gas or propane	Recordkeeping, Monitoring	Yes	Yes	Idaho Supreme shall maintain documentation on-site for fuel type combusted
7	Coal combustion in No. 4 Bigelow boiler shall not be conducted without performing PSD analysis and NSPS Subpart Db analysis	N/A	Yes	Yes	Idaho Supreme is not currently burning coal in the No. 4 Bigelow boiler
8 IDAPA 58.01.01.727	Residual fuel oil sulfur content received on-site shall not exceed 1.75% sulfur by weight	Recordkeeping	Yes	Yes	Idaho Supreme will maintain documentation from the fuel oil supplier of sulfur content
9	Sulfur dioxide emissions from No. 4 Bigelow boiler shall not exceed 127.6 lb/hr and 248 tpy	Monitoring	Yes	Yes	Idaho Supreme is implementing and monitoring throughput limits to meet sulfur dioxide standards
10	Total sulfur combustion rate in No. 4 Bigelow boiler shall not exceed 95.6 lb/hr and 265,240 lb/ any consecutive 12-month period	Monitoring	Yes	Yes	Idaho Supreme is implementing and monitoring throughput limits to meet sulfur dioxide standards
11	Idaho Supreme shall monitor the amount of sulfur combusted in the No. 4 Bigelow boiler each hour and each consecutive 12-month period.	Monitoring	Yes	Yes	Idaho Supreme will maintain documentation including the quantities of fuel combusted, density of fuel, sulfur concentration and all calculations used to determine sulfur combustion rate
12 IDAPA 58.01.01.677	Within 30-days of combusting high sulfur residual fuel oil Idaho Supreme shall conduct a PM emission test to demonstrate compliance with IDAPA 58.01.01.677 Emission test shall demonstrate compliance with 0.05 gr/ DSCF at 3% oxygen	Test Method	Yes	Yes	Idaho Supreme performed source testing and demonstrated compliance
13	Idaho Supreme shall submit to DEQ within 30 days a PM grain loading emissions test report	Reporting	Yes	Yes	The source test report was submitted on time
14	Idaho Supreme shall submit a complete Tier II permit application that contains facility wide emissions inventory and modeling	Reporting	Yes	Yes	Tier II application and modeling have been submitted

17	This Consent Order shall not relieve Idaho Supreme from its obligation to comply with any of the provisions of an air quality permit issued by DEQ except provisions of Tier II operating permit no. T2-010314 superseded by this consent order.	N/A	Yes	Yes	
18	The Consent Order shall bind Idaho Supreme until DEQ terminates the Consent Order in writing. Idaho Supreme may request DEQ terminate this Consent Order at any time and DEQ will not unreasonable deny such a request	N/A	Yes	Yes	
19	Idaho Supreme recognizes that failure to comply with the terms of this Consent Order may result in a district court action, civil penalties, assessment of costs, restraining orders, injunctions and other relief available under Idaho Code Section 39-108	N/A	Yes	Yes	

APPLICABILITY EXPLANATION CODES

N/A Not Applicable

Applicable and Inapplicable Tier II Operating Permit No. 011-00013 Requirements

Table 2 cites the applicable and inapplicable requirements from the Tier II Operating Permit No. 011-00013:

Table 2**Applicable and Inapplicable Tier II Operating Permit No. 011-00013 Requirements**

Tier II Operating Permit Condition No. [Referenced Regulation(s)]	Description	Compliance Determination Method (Record Keeping, Monitoring, Reporting, Test Method)	Applicable Yes or No	In Compliance Yes or No	Explanation Code and/or Additional Information
2.1 [IDAPA 58.01.01.650-651; 5/1/94]	Precautions to prevent particulate matter (PM) from becoming airborne	Monitoring	Yes	Yes	Idaho Supreme will take reasonable precautions to prevent PM from becoming airborne
2.2 [IDAPA 58.01.01.405.01, 07; 5/1/94]	Monitoring and record maintenance of the frequency and method(s) used to reasonably control fugitive emissions	Monitoring/Recordkeeping	Yes	Yes	
2.3 [IDAPA 58.01.01.405.01, 405.07; 5/1/94]	Maintaining records and taking appropriate corrective action of all fugitive dust complaints received	Recordkeeping	Yes	Yes	No fugitive dust complaints have been received
2.4 [IDAPA 58.01.01.775-776; 5/1/94]	Emission of odorous gases, liquids, or solids into the atmosphere in such quantities as to cause air pollution	Monitoring	Yes	Yes	See 2.5
2.5 [IDAPA 58.01.01.405.01, 405.07 State-only; 5/1/94]	Maintaining records and taking appropriate corrective action of all odor complaints received	Recordkeeping	Yes	Yes	No odor complaints have been received.
2.6 [IDAPA 58.01.01.625; 5/1/94]	Air pollutant emissions discharged into the atmosphere shall not exceed 20% opacity for more than 3 minutes in any 60-minute period	Monitoring/Recordkeeping	Yes	Yes	
2.7 [IDAPA 58.01.01.130-136]	Compliance with the procedures and requirements of IDAPA 58.01.01.130-136 for excess emissions due to startup, shutdown, scheduled maintenance, safety measures, upsets and breakdowns.	Monitoring/Recordkeeping	Yes	Yes	Idaho Supreme reported an excess emission (opacity) event to DEQ.
2.8 [IDAPA 58.01.01.405.01, 405.11; 5/1/94]	All reported materials required by the Tier II OP shall contain a certification by a responsible official stating that the information contained in the document(s) are true, accurate, and complete.	Recordkeeping/Reporting	Yes	Yes	
2.9 [IDAPA 58.01.01.600-616; 5/1/94]	Compliance with IDAPA 58.01.01.600-616, <i>Rules for Control of Open Burning</i>	Recordkeeping	Yes	Yes	
2.10	If testing is required, Idaho Supreme shall use the following test methods for measuring pollutant emissions: PM ₁₀ – EPA Method 201.a*, 202 PM – EPA Method 5* NO _x – EPA Method 7* SO ₂ – EPA Method 6* CO – EPA Method 10* VOC – EPA Method 25* Opacity – EPA Method 9* and IDAPA 58.01.01.625 (NSPS), IDAPA 58.01.01.625 only (non-NSPS) *Idaho Supreme may utilize a Department-approved alternative in accordance with IDAPA 58.01.01.157	Test Method/Recordkeeping	Yes	Yes	

2.11 [IDAPA 58.01.01.676-677; 5/1/94]	PM emissions from any fuel-burning equipment shall not exceed 0.015 gr/dscf or 0.050 gr/dscf of effluent gas corrected to 3% oxygen by volume for gas and liquid, respectively.	Monitoring/Recordkeeping	Yes	Yes	Idaho Supreme verified compliance with this requirement through source testing.
2.12 [IDAPA 58.01.01.727-728; 5/1/94]	Idaho Supreme shall not sell, distribute, use, or make available for use any distillate fuel oil containing more than for following percentages (by weight) of sulfur: ASTM Grade 1 Fuel Oil – 0.3% ASTM Grade 2 Fuel Oil – 0.5% Residual Fuel Oil – 1.75%	Recordkeeping	Yes	Yes	
2.13 [40 CFR 60.11b(b)]	Idaho Supreme shall keep records available showing dimensions and capacities for the following storage vessels utilized at the facility: -One 16,000-gal fuel oil AST -Two 30,000-gal fuel oil ASTs -One 10,000-gal no. 2 distillate oil AST -One 20,000-gal no. 2 distillate oil AST	Recordkeeping	Yes	Yes	
2.14 [IDAPA 58.01.01.313.01.b; 3/23/98]	Idaho Supreme shall submit a complete application for an original Tier I permit within 12 months of issuance of this Tier II OP.	Reporting/Recordkeeping	Yes	Yes	A complete Tier I application has been submitted.
3.2 [40 CFR 60.43b(f) and (g)]	PM emissions from Boiler No. 4 shall not cause opacity to exceed 20% (6-min average), except for one 6-min period each hour of not more than 27% opacity. PM and opacity standards apply at all times, except during periods of startup, shutdown, or malfunction.	Monitoring/Recordkeeping	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.
3.3 [40 CFR 60.42b]	Applies to Boiler No. 4 – Idaho Supreme shall comply with the SO ₂ emissions requirements of 40 CFR 60.40b by either combusting only very low sulfur fuel, as defined in 40 CFR 60.41b, or through alternative methods in accordance with 40 CFR 60.42b.	Monitoring/Recordkeeping	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.

3.4 [40 CFR 60.44b(a) and (h)]	<p>NO_x emissions from Boiler No. 4 shall not exceed the following:</p> <ol style="list-style-type: none"> 1. Combustion of natural gas or distillate oil – 0.10 lb/MMBTU (low heat release rate), 0.20 lb/MMBTU (high heat release rate) 2. Combustion of residual oil – 0.30 lb/MMBTU (low heat release rate), 0.40 lb/MMBTU (high heat release rate) <p>NO_x emissions limits apply at all times and are determined based on a 30-day rolling average.</p>	Monitoring/Recordkeeping	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.
3.5 [40 CFR 60.46b(d), 40 CFR 60.48b(a)]	<p>Performance testing shall be conducted within 60 days of achieving the maximum production rate of Boiler No. 4, but not later than 180 days after the issuance of this permit. The performance tests shall be conducted when firing No. 5 residual oil to measure PM emissions to demonstrate compliance with emissions limits in Permit Condition 3.2.</p> <p>Idaho Supreme shall install, maintain, and operate a CEMS for measuring opacity from the emission stack of Boiler No. 4.</p>	All	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.
3.6 [40 CFR 60.45b]	Idaho Supreme shall comply with 40 CFR 60.49b(r) to demonstrate that the facility combusts only very low sulfur oil under 40 CFR 60.42b(j)(2), if such is the case. Idaho Supreme may also demonstrate compliance with the SO ₂ emission standards in Permit Condition 3.3 through alternative methods in accordance with 40 CFR 60.45b.	Monitoring/Recordkeeping	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.
3.7 [40 CFR 60.46b(e)(1), 40 CFR 60.46b(e)(4), 40 CFR 60.48b]	<p>Idaho Supreme shall conduct initial performance testing within 60 days of achieving the maximum production rate of Boiler No. 4, but not later than 180 days after the issuance of this permit, to demonstrate compliance with NO_x emissions limits in Permit Condition 3.4. The performance tests shall be conducted while firing natural gas and residual oil to measure NO_x emissions.</p> <p>Idaho Supreme shall, upon request, demonstrate compliance with the emissions limits in Permit Condition 3.4 and the appendix by a 30-day performance test. When testing is not requested, Idaho Supreme shall collect NO_x emissions data for the use of preparing excess emissions reports; however, not to determine compliance with the NO_x emission standards in 40 CFR 60.48b(e)(4).</p> <p>Idaho Supreme shall monitor the NO_x emissions from the Boiler No. 4 stack.</p>	Monitoring/Recordkeeping	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.

3.8 [40 CFR 60.49b(e)]	Idaho Supreme shall maintain records of the nitrogen content of the residual oil combusted in Boiler No. 4 for the most recent two-year period and the records shall be made available to the Department upon request. Idaho Supreme shall also calculate the average fuel nitrogen content on a per calendar quarter in accordance with 40 CFR 60.49b(e).	Recordkeeping/Reporting (upon request)	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.
3.9 [40 CFR 60.49(d)]	Idaho Supreme shall keep record of the amount of fuel consumed by Boiler No. 4 during each operating day and calculate the annual capacity factor (determined on a 12-month rolling average) individually for all fuels burned during each calendar quarter in accordance with 40 CFR 60.49b(d). Records for the most recent 2-year period shall be kept at the facility and made available to the Department upon request.	Recordkeeping/Reporting (upon request)	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.
3.10 [40 CFR 60.49b(f)]	Idaho Supreme shall keep records onsite for the most recent 2-year period of opacity emissions in accordance with 40 CFR 60.49b(f). The records shall be made available to the Department upon request.	Recordkeeping/Reporting (upon request)	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.
3.11 [40 CFR 60.49b, 40 CFR 60.48c]	All applicable NSPS reporting requirements for Boiler No. 4 shall be submitted to the Department and the EPA.	Reporting	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.
3.12 [IDAPA 58.01.01.157.01.a; 4/5/00]	The Department strongly encourages Idaho Supreme to submit to the Department a test protocol for performance tests required in Permit Condition 3 for review at least 30 days prior to the test days.	Reporting	Yes	Yes	Idaho Supreme has submitted test protocols to the Department for all required performance testing on Boiler No. 4.
3.13 [IDAPA 58.01.01.157.04; 4/5/00]	Idaho Supreme shall submit a report to the Department indicating the results of the performance tests required for Boiler No. 4 in Permit Condition 3 within 30 days after the date of the actual testing is conducted.	Reporting	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.
4.2 [IDAPA 58.01.01.405.01; 5/1/94]	PM and SO ₂ emissions from Boiler No. 3 shall not exceed 2.30 lb/hr (3.70 T/yr) and 16.0 lb/hr (25.0 T/yr), respectively.	Monitoring/Recordkeeping	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.
4.3 [IDAPA 58.01.01.405.01; 5/1/94]	Idaho Supreme shall not operate Boiler No. 3 for a more than 3,185 hours per consecutive 12-month period.	Recordkeeping	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.
4.4 [IDAPA 58.01.01.405.01; 5/1/94]	Idaho Supreme shall monitor and record the total hours of operation of Boiler No. 3 per consecutive 12-month period. The records for the most recent 2-year period shall be kept onsite and made available to the Department upon request.	Monitoring/Recordkeeping/ Reporting (upon request)	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.

4.5 [40 CFR 60.43c(c) and (d)]	The opacity of the emissions from Boiler No. 3 while combusting oil shall not exceed 20% (6-minute average), except for one 6-minute period per hour of not more than 27% opacity. The opacity standards apply at all times, except during periods of startup, shutdown, and malfunction.	Monitoring/Recordkeeping	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.
4.6 [40 CFR 60.42c]	Idaho Supreme shall demonstrate compliance with SO ₂ emission standards of 40 CFR 60.42c in Boiler No. 3 by combusting fuel oils with less than 0.5% by weight sulfur content. Compliance shall be determined on a 30-day rolling average basis.	Recordkeeping	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.
4.7 [40 CFR 60.42c]	Idaho Supreme may also demonstrate compliance with SO ₂ emission standards for Boiler No. 3 through alternative methods in accordance with 40 CFR 60.42c. The SO ₂ emissions standards apply at all times, including periods of startup, shutdown, and malfunction.	Recordkeeping	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.
4.8 [40 CFR 60.45c(a)(7), 40 CFR 60.47c(a)]	PM and opacity compliance under 40 CFR 60.43c for Boiler No. 3 shall be determined in accordance with 40 CFR 60.45c(a) and as required in 40 CFR 60.8, General Provision I, and IDAPA 58.01.01.157. Idaho Supreme shall use EPA Test Method 9 for opacity emissions testing, and shall install, maintain, and operate a CEMS for measuring opacity from the emissions stack of Boiler No. 3.	All	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.
4.9 [40 CFR 60.44c]	Idaho Supreme shall demonstrate that the sulfur content of the fuel oil combusted in Boiler No. 3 is less than 0.5% by weight in accordance with 40 CFR 60.44c(g), or with SO ₂ performance test requirements in accordance with 40 CFR 60.44c. Records demonstrating compliance shall be kept onsite for a minimum of 2 years and be made available to the Department upon request.	Recordkeeping/Reporting (upon request)	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.
4.10 [40 CFR 60.48c(g)]	Idaho Supreme shall maintain records of the fuel consumed in Boiler No. 3 during each operating day. The records shall be kept onsite for the most recent 2-year period and be made available to the Department upon request.	Recordkeeping/Reporting (upon request)	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.
4.11 [40 CFR 60.49b, 40 CFR 60.48c]	All applicable NSPS reporting requirements for Boiler No. 3 shall be submitted to the Department and the EPA.	Reporting	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.
4.12 [IDAPA 58.01.01.157.01.a; 4/5/00]	The Department strongly encourages Idaho Supreme to submit to the Department a test protocol for performance tests required in Permit Condition 4 for review at least 30 days prior to the test days.	Reporting	No	N/A	

4.13 [IDAPA 58.01.01.157.04; 4/5/00]	Idaho Supreme shall submit a report to the Department indicating the results of the performance tests required for Boiler No. 3 in Permit Condition 4 within 30 days after the date of the actual testing is conducted.	Reporting	No	N/A	This condition has been superseded by a Consent Order, dated December 16, 2004.
5.2 [IDAPA 58.01.01.405.01; 5/1/94]	<p>PM₁₀ and SO₂ emissions from natural gas-burning equipment shall not exceed the following amounts:</p> <p>Source</p> <p>PM lb/hr (T/yr)</p> <p>SO₂ lb/hr (T/yr)</p> <p>Fluidized Bed Dryer</p> <p>2.30 (3.70) 16.0 (25.0)</p> <p>Secondary Dryer</p> <p>4.1E-03 (0.02) 3E-04 (1E-03)</p> <p>Dryer – Stage A</p> <p>5.9E-02 (0.26) 5E-03 (2E-02)</p> <p>Dryer – Stages B & C</p> <p>2.4E-02 (0.10) 2E-03 (8E-03)</p> <p>Space Heaters- North & South</p> <p>6.1E-02 (0.18) 5E-03 (1.5E-02)</p> <p>Space Heater – East</p> <p>0.11 (0.34) 9E-03 (2.7E-02)</p> <p>Misc. Space Heaters</p> <p>1.5E-02 (0.045) 1E-03 (3.5E-03)</p>	All	Yes	Yes	
5.3 [IDAPA 58.01.01.405.01; 5/1/94]	Idaho Supreme shall not operate the three industrial space heaters or the miscellaneous space heaters for more than 6,048 hours each per consecutive 12-month period.	Recordkeeping	Yes	Yes	

5.4 [IDAPA 58.01.01.405.01; 5/1/94]	On average per day, Idaho Supreme shall not burn more than 6,843 scf/hr and 78 gal/hr of natural gas and LPG, respectively, in the fluidized bed dryer.	Recordkeeping	Yes	Yes	
5.5 [IDAPA 58.01.01.405.01; 5/1/94]	The combined maximum amount of natural gas burned in Dryers A, B, C and the secondary dryer shall not exceed 53,000 scf/hr on average per day. The combined maximum amount of LPG burned shall not exceed 253 gal/hr on average per day.	Recordkeeping	Yes	Yes	
5.6 [IDAPA 58.01.01.405.01; 5/1/94]	The combined maximum amount of natural gas burned in the industrial space heaters shall not exceed 41,235 scf/hr on average per day. The combined maximum amount of LPG burned shall not exceed 174 gal/hr on average per day.	Recordkeeping	Yes	Yes	
5.7 5.7.1 5.7.2 [IDAPA 58.01.01.405.01; 5/1/94]	Idaho Supreme shall record the following parameters in a quarterly record to demonstrate compliance with Permit Conditions 5.3 through 5.6: 1. Number of hours each industrial space heater is operated per consecutive 12-month period. 2. Average hourly amount of natural gas and LPG used on a daily basis in all applicable natural gas-burning equipment. Idaho Supreme shall maintain the records onsite for a minimum period of 2 years and the records shall be made available to the Department upon request.	Recordkeeping/Reporting (upon request)	Yes	Yes	
6.2 [IDAPA 58.01.01.405.01; 5/1/94]	PM and PM ₁₀ emissions from the process dehydration lines and storage silos shall not exceed 6.4 lb/hr or 22.0 T/yr (per any consecutive 12-month period).	Monitoring/Recordkeeping	Yes	Yes	
6.3 [IDAPA 58.01.01.405.01; 5/1/94]	Idaho Supreme shall not process more than 868 tons per day (T/day) of total clean raw potatoes, or more than 287,000 tons per consecutive 12-month period. The total combined throughput of the ten storage silos shall not exceed 1,152 T/day.	Recordkeeping	Yes	Yes	
6.4 [IDAPA 58.01.01.405.01; 5/1/94]	Idaho Supreme shall record the calendar date and the daily and consecutive 12-month period throughput of each potato process line in operation, and the daily aggregate throughput of the storage silos to demonstrate compliance with Permit Condition 6.3. The records shall be kept onsite for a minimum period of 2 years and made available to the Department upon request.	Recordkeeping/Reporting (upon request)	Yes	Yes	
8	Tier II Permit General Provisions	All	Yes	Yes	